*Animal Reproduction Science*, 27 (1992) 347–350
Elsevier Science Publishers B.V., Amsterdam



# Author Index

Abdel-Malak, G., Essawi, S.A., Youssef, R.H. and Soliman, F.A. (Giza, Egypt)
Testicular response to GnRH in buffalo bull ..... 123
Agrasal, C., *see* Ubilla, E. et al.
Aire, T.A., *see* Osuagwuh, A.I.A. and Aire, T.A.
Aitken, R.P., *see* Robinson, J.J. et al.
Algire, J.E., *see* Gallo, G.F. et al.
Almond, G.W., *see* Smith, C.A. et al.
Alvariño, J.M.R., *see* Ubilla, E. et al.
Andersson, M. (Hautjärvi, Finland)
Relationships between GnRH-induced testosterone maxima, sperm motility and fertility in Ayrshire bulls ..... 107
Audy, M.C., *see* Bonnin, M. et al.
Aurich, J.E., *see* Dobrinski, I. et al.
Avery, B., *see* Madison, V. et al.
Ballesteros, L.M., Rosales, A.M., Rosado, A. and Hernández-Pérez, O. (Mexico, Mexico)
Activity, compartmentation and subcellular distribution of lysosomal enzymes during follicular maturation in the goat ..... 129
Bonnin, M., Audy, M.C. (Bordeaux, France) and Mondain-Monval, M. (Fresnes, France)
GnRH-stimulated LH and FSH release by perifused anoestrous red fox pituitary cells: gonadal steroid modulation ..... 319
Brearley, J.C., *see* Nanda, A.S. et al.
Brillard, J.-P. (Nouzilly, France)
Factors affecting oviductal sperm storage in domestic fowl following artificial insemination ..... 247
Bryan, K.A. and Hagen, D.R. (University Park, PA, USA)
Attainment of puberty in peripubertal gilts provided daily boar exposure: enhanced response following addition of prepubertal gilts to the breeding facility ..... 257
Dervin, C., *see* Mariana, J.C. et al.
Dial, G.D., *see* Smith, C.A. et al.
Dobrinski, I., Aurich, J.E., Hoppen, H.-O. and Grunert, E. (Hannover, FRG)
$\beta$-Endorphin and met-enkephalin in cattle during late gestation and parturition – release from uteroplacental tissues ..... 75
Dobson, H., *see* Nanda, A.S. et al.
Downey, B.R., *see* Gallo, G.F. et al.
Driancourt, M.A. (Monnaie, France) and Fry, R.C. (Werribee, Vic., Australia)
Effect of superovulation with pFSH or PMSG on growth and maturation of the ovulatory follicles in sheep ..... 279
Dziuk, P.J., *see* Moenter, S.M. et al.
Ekpe, G.A., *see* Osinowo, O.A. et al.
Esbenshade, K.L., *see* Huff, B.G. and Esbenshade, K.L.
Esquifino, A., *see* Ubilla, E. et al.
Essawi, S.A., *see* Abdel-Malak, G. et al.
Fayemi, O.E., Morrison, R.B. and Joo, H.S. (St. Paul, MN, USA)
Seroprevalence of sperm antibody in selected Minnesota swine breeding herds ..... 341

Fitzpatrick, R.J., *see* Owiny, J.R. and Fitzpatrick, R.J.
Fry, R.C., *see* Driancourt, M.A. and Fry, R.C.
Gallo, G.F., Algire J.E. and Srikandakumar, A. (Ste. Anne de Bellevue, Que., Canada)
Effects of a prostaglandin $F_{2\alpha}$ analogue on the ovulatory response of superovulated heifers ..... 83
Greve, T., *see* Madison, V. et al.
Grunert, E., *see* Dobrinski, I. et al.
Hagen, D.R., *see* Bryan, K.A. and Hagen, D.R.
Hansen, P.J., Thomas, P.G.A. and Leslie, M.V. (Gainesville, FL, USA)
Retinol binding protein is produced by the bovine endometrium and accumulates in uterine secretions in a progesterone-dependent manner ..... 55
Hernández-Pérez, O., *see* Ballesteros, L.M. et al.
Hishinuma, M., *see* Rayos, A.A. et al.
Hoppen, H.O., *see* Dobrinski, I. et al.
Huff, B.G. and Esbenshade, K.L. (Raleigh, NC, USA)
Induction of follicular development and estrus in prepubertal gilts with gonadotropins . 183
Ireland, S., *see* Robinson, J.J. et al.
Jailkhani, S., *see* Prakash, B.S. et al.
Joo, H.S., *see* Fayemi, O.E. et al.
Kähn, W. (Munich, Germany)
Growth of the pre-ovulatory follicle, circadian distribution of ovulations and pregnancy rate after post-ovulatory inseminations in heifers ..... 113
Kanagawa, H., *see* Rayos, A.A. et al.
Leslie, M.V., *see* Hansen, P.J. et al.
Lucy, M.C., *see* van Cleeff, J. et al.
Madan, M.L., *see* Prakash, B.S. et al.
Madison, V., Avery, B. and Greve, T. (Frederiksberg, Denmark)
Selection of immature bovine oocytes for developmental potential in vitro ..... 1
Mariana, J.C. (Monnaie, France), Tomassone, R. and Dervin, C. (Paris, France)
Effect of shortening or lengthening the duration of the cycle on oestrus, ovulation and follicular growth in Ile-de-France sheep ..... 21
Marire, B.N., *see* Osinowo, O.A. et al.
Moenter, S.M., Dziuk, P.J. (Urbana, IL, USA) and Webel, S.K. (Normal, IL, USA)
Pregnancy detection and litter size classification by estrone sulfate measurements in swine under farm conditions ..... 161
Mondain-Monval, M., *see* Bonnin, M. et al.
Morrison, R.B., *see* Fayemi, O.E. et al.
Nanda, A.S., Brearley, J.C. and Dobson, H. (Neston, UK)
Effect of barbiturate anaesthesia on oestradiol-induced LH release in dairy cows ..... 335
Narayana, K., *see* Ramachandra, S.G. et al.
Nellenschulte, E. and Niemann, H. (Neustadt, Germany)
Collection and transfer of ovine embryos by laparoscopy ..... 293
Niemann, H., *see* Nellenschulte, E. and Niemann, H.
Okrasa, S.C. and Tilton, J.E. (Fargo, ND, USA)
Concentrations of prolactin and LH after administration of Met-enkephalin analogue (FK 33-824) to gilts during the follicular phase ..... 195
Omeke, B.C.O. and Onuora, G.I. (Nsukka, Nigeria)
Comparative effects of *Trypanosoma brucei* and *Trypanosoma congolense* on the reproductive capacity of boars in tsetse-endemic zone ..... 225

Onuora, G.I., *see* Omeke, B.C.O. and Onuora, G.I.
Osinowo, O.A., Marire, B.N. and Ekpe, G.A. (Zaria, Nigeria)
Preliminary study of postnatal growth and reproductive tract development in Yankasa rams ..... 49
Osuagwuh, A.I.A. and Aire, T.A. (Ibadan, Nigeria)
The growth rates of fetal thyriod pituitary and adrenal glands of the West African dwarf goat ..... 31
Owiny, J.R. (New York, USA) and Fitzpatrick, R.J. (Neston, UK)
The effect of administration of Clenbuterol (4-amino-$\alpha$-[(tert-butyl-amino) methyl]-3,5-dichlor-benzoylalchohol), a $\beta_2$-mimetic, and of sodium meclofenamate a prostaglandin synthetase inhibitor, on cervical ripening in periparturient sheep ..... 41
Paterson, A.M., *see* Pearce, G.P. and Paterson, A.M.
Pearce, G.P. (Parkville, Vic., Australia) and Paterson, A.M. (South Perth, W.A., Australia)
Physical contact with the boar is required for maximum stimulation of puberty in the gilt because it allows transfer of boar pheromones and not because it induces cortisol release ..... 209
Prakash, B.S., Jailkhani, S., Singla, S.K. and Madan, M.L. (Karnal, India)
Application of a sensitive heterologous enzymeimmunoassay for progesterone determination in unextracted buffalo plasma samples collected in an embryo transfer experiment ..... 67
Prakash, N., *see* Ramachandra, S.G. et al.
Ramachandra, S.G., Prakash, N. and Narayana, K. (Bangalore, India)
Jugular blood plasma acetylcholinesterase (AchE) activity during oestrus in dairy cattle ..... 263
Rayos, A.A., Takahashi, Y., Hishinuma, M. and Kanagawa, H. (Sapporo, Japan)
Quick freezing of mouse two-, four-, and eight-cell embryos with ethylene glycol plus sucrose or lactose: effects of developmental stage and equilibration period on survival in vitro ..... 2
Restall, B.J. (Wollongbar, N.S.W., Australia)
Seasonal variation in reproductive activity in Australian goats ..... 305
Robertson, I.S., *see* Robinson, J.J. et al.
Robinson, J.J., Wigzell, S., Aitken, R.P., Wallace, J.M., Ireland, S. and Robertson, I.S. (Aberdeen, UK)
Daily oral administration of melatonin from March onwards advances by 4 months the breeding season of ewes maintained under the ambient photoperiod at 57°N ..... 141
Rosado, A., *see* Ballesteros, L.M. et al.
Rosales, A.M., *see* Ballesteros, L.M. et al.
Singla, S.K., *see* Prakash, B.S. et al.
Smith, C.A., Almond, G.W. and Dial, G.D. (Raleigh, NC, USA)
Changes in luteinizing hormone concentrations after abortion, parturition, and weaning in primiparous sows ..... 169
Soliman, F.A., *see* Abdel-Malak, G. et al.
Srikandakumar, A., *see* Gallo, G.F. et al.
Swan, M.A., *see* Vishwanath, R. et al.
Takahashi, Y., *see* Rayos, A.A. et al.
Thatcher, W.W., *see* van Cleeff, J. et al.
Thomas, P.G.A., *see* Hansen, P.J. et al.
Tilton, J.E., *see* Okrasa, S.C. and Tilton, J.E.
Tomassone, R., *see* Mariana, J.C. et al.

Ubilla, E., Alvarino, J.M.R., Esquifino, A. and Agrasal, C. (Madrid, Spain)
Effects of induction of parturition by administration of a prostaglandin $F_{2\alpha}$ analogue in rabbits: possible modification of prolactin, LH and FSH secretion patterns ..... 13
Van Cleeff, J., Lucy, M.C., Wilcox, C.J. and Thatcher, W.W. (Gainesville, FL, USA)
Plasma and milk progesterone and plasma LH in ovariectomized lactating cows treated with new or used controlled internal drug release devices ..... 91
Vishwanath, R., Swan, M.A. and White, I.G. (Sydney, N.S.W., Australia)
Motility characteristics and metabolism of ram sperm in the presence of ethanol ..... 269
Wallace, J.M., *see* Robinson, J.J. et al.
Webel, S.K., *see* Moenter, S.M. et al.
White, I.G., *see* Vishwanath, R. et al.
Wigzell, S., *see* Robinson, J.J. et al.
Wilcox, C.J., *see* van Cleeff, J. et al.
Youssef, R.H., *see* Abdel-Malak, G. et al.